

LISTING OF THE CLAIMS

This listing of claims replaces the claims originally in this application.

1-2. Cancelled.

3. (Currently Amended) A method as claimed in claim-~~2~~60, wherein said running sum is prevented from being updated by said incremental amounts beyond a predetermined default value.

4. (Original) A method as claimed in claim 3, wherein said indication is 'available' in the event said running sum exceeds a predetermined upper decision level, 'unavailable' in the event said running sum is below a predetermined lower decision level, and 'indeterminate' in the event said running sum is intermediate said predetermined upper and lower decision levels.

5. (Original) A method as claimed in claim 4, wherein said default value is selected to bias said running sum toward said lower decision level.

6. (Currently Amended) A method as claimed in claim-~~4~~60, further including the step of generating an indication of said user location based on location information in said call control events.

7. (Original) A method as claimed in claim 3, wherein said absolute indicator of availability is one of either 'available' or 'unavailable'.

8-9. Cancelled.

10. (Currently Amended) A system as claimed in claim ~~9~~ 61, interpretation engine prevents said running sum from being updated by said incremental amounts beyond a predetermined default value.

11. (Previously Presented) A system as claimed in claim 10, wherein said interpretation engine generates an indication of 'available' in the event said running sum exceeds a predetermined upper decision level, 'unavailable' in the event said running sum is below a predetermined lower decision level, and 'indeterminate' in the event said running sum is intermediate said predetermined upper and lower decision levels.

12. (Original) A system as claimed in claim 11, wherein said default value is selected to bias said running sum toward said lower decision level.

13. (Currently Amended) A system as claimed in claim ~~8~~ 61, further including the step of generating an indication of said user location based on location information in said call control events.

Claims 14-15. (Canceled)

16. (Currently Amended) A method as claimed in claim-2 60, further including the step of generating an indication of said user location based on location information in said call control events.

17. (Previously Presented) A method as claimed in claim 3, further including the step of generating an indication of said user location based on location information in said call control events.

18. (Previously Presented) A method as claimed in claim 4, further including the step of generating an indication of said user location based on location information in said call control events.

19. (Previously Presented) A method as claimed in claim 5, further including the step of generating an indication of said user location based on location information in said call control events.

20. (Currently Amended) A system as claimed in claim-9 61, further including the step of generating an indication of said user location based on location information in said call control events.

21. (Previously Presented) A system as claimed in claim 10, further including the step of generating an indication of said user location based on location information in said call control events.

22. (Previously Presented) A system as claimed in claim 11, further including the step of generating an indication of said user location based on location information in said call control events.

23. (Previously Presented) A system as claimed in claim 12, further including the step of generating an indication of said user location based on location information in said call control events.

24-29. Cancelled.

30. (Currently Amended) A method as claimed in claim-29 62, wherein said running sum is prevented from being updated by said incremental amounts beyond a predetermined default value.

31. (Previously Presented) A method as claimed in claim 30, wherein said indication is 'available' in the event said running sum exceeds a predetermined upper decision level, 'unavailable' in the event said running sum is below a predetermined lower decision level, and 'indeterminate' in the event said running sum is intermediate said predetermined upper and lower decision levels.

32. (Previously Presented) A method as claimed in claim 31, wherein said default value is selected to bias said running sum toward said lower decision level.

33. (Currently Amended) A method as claimed in claim-~~27~~ 62, further including the step of generating an indication of said user location based on location information in said call control events.

34. (Previously Presented) A method as claimed in claim 30, wherein said absolute indicator of availability is one of either 'available' or 'unavailable'.

35-38. Cancelled.

39. (Currently Amended) A system as claimed in claim-~~38~~ 63, interpretation engine prevents said running sum from being updated by said incremental amounts beyond a predetermined default value.

40. (Previously Presented) A system as claimed in claim 39, wherein said interpretation engine generates an indication of 'available' in the event said running sum exceeds a predetermined upper decision level, 'unavailable' in the event said running sum is below a predetermined lower decision level, and 'indeterminate' in the event said running sum is intermediate said predetermined upper and lower decision levels.

41. (Previously Presented) A system as claimed in claim 39, wherein said default value is selected to bias said running sum toward said lower decision level.

42. (Currently Amended) A system as claimed in claim ~~35~~ 63, further including the step of generating an indication of said user location based on location information in said call control events.

43. (Currently Amended) A method as claimed in claim ~~27~~ 62, further including the step of generating an indication of said user location based on location information in said call control events.

44-45. Cancelled.

46. (Previously Presented) A method as claimed in claim 30, further including the step of generating an indication of said user location based on location information in said call control events.

47. (Currently Amended) A system as claimed in claim ~~36~~ 63, further including the step of generating an indication of said user location based on location information in said call control events.

48-51. Cancelled.

52. (Currently Amended) The method of claim-~~4~~ 60, further comprising displaying said indication of user availability to said user.

53. (Currently Amended) The system of claim-~~8~~ 61, wherein said interpretation engine displays said indication of user availability to said user.

54. (Currently Amended) The method of claim-~~26~~ 62, further comprising displaying said user availability information to said user.

55. (Currently Amended) The system of claim-~~35~~ 63, wherein said interpretation engine displays said user availability information to said user.

56-59. Cancelled.

60. (New) A method of generating user availability information from call control events within a telephone system, comprising:

receiving call control events from said telephone system, wherein each of said call control events is ascribed one of either an absolute indicator of availability or evidence of availability;

for each of said call control events to which said absolute indicator of availability has been ascribed generating an indication of said user availability based thereon, and

otherwise generating said indication of user availability on said evidence of availability;
and

updating a running sum for said user based on said evidence of availability, and
wherein said indication of user availability is generated based on said running sum; and
wherein

said running sum is updated by a discrete amount in response to call control
events characterized by discrete evidence of availability and by incremental amounts in
response to call control events characterized by incremental evidence of availability,
whereby said indication of user availability is maintained for a predetermined period of
time in the absence of further call control events.

61. (New) A system for generating user availability information from call control
events within a telephone system, comprising:

an event queue for receiving and storing call control events from said telephone
system, wherein each of said call control events is ascribed one of either an absolute
indicator of availability or evidence of availability; and

an interpretation engine for accessing said call control events in said event
queue and for each of said call control events to which said absolute indicator of
availability has been ascribed generating an indication of said user availability based
thereon, and otherwise generating said indication of user availability on said evidence of
availability; and wherein

said interpretation engine generates said indication of user availability based on
a running sum that is updated based on said evidence of availability; and

said interpretation engine updates said value by a discrete amount in response to call control events characterized by discrete evidence of availability and by incremental amounts in response to call control events characterized by incremental evidence of availability, whereby said indication of user availability is maintained for a predetermined period of time in the absence of further call control events.

62. (New) A method of generating user availability information from call control events within a communication system, comprising:

- receiving call control events from said communication system;
- deriving indications of availability from said call control events; and
- generating user availability information based on said indications of availability;

ascribing one of an absolute indicator of availability and evidence of availability to each of said call control, and for each of said call control events to which said absolute indicator of availability has been ascribed, generating an indication of said user availability based thereon, and otherwise generating said indication of user availability on said evidence of availability;

updating a running sum for said user based on said evidence of availability, and wherein

said indication of user availability is generated based on said running sum and said running sum is updated by a discrete amount in response to call control events characterized by discrete evidence of availability and by incremental amounts in response to call control events characterized by incremental evidence of availability;

whereby said indication of user availability is maintained for a predetermined period of time in an absence of further call control events.

63. (New) A system for generating user availability information from call control events within a telephone system, comprising:

an event queue for receiving and storing call control events from said telephone system; and

an interpretation engine for accessing said call control events in said event queue, deriving indications of availability from said call control events, and generating user availability information based on said indications of availability; and wherein

said interpretation engine ascribes one of an absolute indicator of availability and evidence of availability to each of said call control, and for each of said call control events to which said absolute indicator of availability has been ascribed, generates an indication of said user availability based thereon, and otherwise generates said indication of user availability based on said evidence of availability;

said interpretation engine generates said indication of user availability based on a running sum that is updated based on said evidence of availability; and

said interpretation engine updates said running sum by a discrete amount in respect to call control events characterized by discrete evidence of availability and by incremental amounts in response to call control events characterized by incremental evidence of availability, whereby said indication of user availability is maintained for a predetermined period of time in an absence of further call control events.